

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	24	(lfsr or (linear adj feedback adj shift adj register)) with x with y	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 08:45
L3	8	(lfsr or (linear adj feedback adj shift adj register)) with x with y and (wcdma or cdma or 3gpp)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 07:06
L4	0	(lfsr or (linear adj feedback adj shift adj register)) with x with y and (wcdma or cdma or 3gpp) and dsc	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 07:14
L5	191	secondary with (scrambling adj code)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 09:39
L6	4151	(lfsr or (linear adj feedback adj shift adj register))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 07:15
L7	12	5 and 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 07:15
L9	0	(lfsr or (linear adj feedback adj shift adj register)) with x and new adj initial adj state	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 09:33
L10	2	(lfsr or (linear adj feedback adj shift adj register)) with x and (new with (initial adj state))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 09:32

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L11	3287	375/130	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 09:48
L12	1	(lfsr or (linear adj feedback adj shift adj register)) and new adj initial adj state	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 09:57
L13	6784	370/342	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 09:34
L14	57	(lfsr or (linear adj feedback adj shift adj register)) and (new with (initial adj state))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 09:56
L15	4	11 and 14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 09:48
L16	5	13 and 14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 09:37
L17	48	13 and 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 09:48
L18	8	secondary with (scrambling adj code) and (initial adj state)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 09:40

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L20	2036	375/147	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 09:48
L21	0	20 and 14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 09:52
L22	11	11 and 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 09:48
L23	14	20 and 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 09:52
L24	219	708/252	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 09:51
L25	3	24 and 14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 09:52
L26	3	24 and 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 09:52
L27	2	((lfsr or (linear adj feedback adj shift adj register)) and (new with (initial adj state))).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 11:46

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L28	0	((lfsr or (linear adj feedback adj shift adj register)) and new adj initial adj state).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 09:57
L29	0	(second adj (lfsr or (linear adj feedback adj shift adj register)) and (new with (initial adj state))).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 11:46
S1	1	"10/396118"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 08:40
S2	0	10/651848	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 19:29
S3	98	(6721293 6795689 20040120289 6501788 20030099357 6836469 20030081575 20040120274 20060121907 20030095529 20040258182 6804214 7035676 20010034254 20030039303 20030119444 20040032848 20040085921 20050085255 20050094816 20050143118 6570889 6862314 6775318 6934526 20020009129 20020051431 20020064211 20030103478 20030133429 20040057468 20050063345 20060193339 6185244 6459694 7061967 20030235238 20040114552 20060056552 5930366 5956368 6301289 6339646 6385264 6526039 6526065 6526091 6535495 6567482 6577671).pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 19:30
S4	0	"x-lfsr" "y-lfsr"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 19:31

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S5	0	"x-lfsr" and "y-lfsr"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 19:31
S6	329	lfsr and cdma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 19:32
S7	45	lfsr and wcdma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 19:33
S8	16	lfsr and wcdma and (QAM or ( I near Q))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 19:36
S9	46	(first adj initial adj state) and (second adj initial adj state)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 19:37
S10	2	(first adj initial adj state) and (second adj initial adj state) and (lfsr or (linear adj feedback adj shift adj register))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 19:38
S11	0	(first adj initial adj state) and (second adj initial adj state) and (lfsr or (linear adj feedback adj shift adj register)) and (cdma or wcdma)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 19:38
S12	0	(first adj initial adj state) and (second adj initial adj state) and (lfsr or (linear adj feedback adj shift adj register)) and (cdma or wcdma or 3gpp)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 19:39

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S13	492	(lfsr or (linear adj feedback adj shift adj register)) and (cdma or wcdma or 3gpp)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 19:39
S14	189	(lfsr or (linear adj feedback adj shift adj register)) and (cdma or wcdma or 3gpp) and (qam or (i near q))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 19:39
S15	78	(lfsr or (linear adj feedback adj shift adj register)) and (cdma or wcdma or 3gpp) and (qam or (i near q)) and (initial adj state)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/18 06:48
S16	0	(lfsr or (linear adj feedback adj shift adj register)) and (cdma or wcdma or 3gpp) and (qam or (i near q)) and (new adj initial adj state)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 19:40
S17	1	(lfsr or (linear adj feedback adj shift adj register)) and (cdma or wcdma or 3gpp) and (qam or (i near q)) and (first adj initial adj state)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 19:40
S18	0	(lfsr or (linear adj feedback adj shift adj register)) and (cdma or wcdma or 3gpp) and (qam or (i near q)) and (initial adj state) and DSC	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/17 19:41

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We also need to limit the maximum number of **secondary scrambling code** to reduce ... It is important to notice that **secondary scrambling code** need to have ...

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associated with the primary scrambling code of the cell. The mixture of primary scrambling code and **secondary scrambling code** for one CCTrCH is allowable.

[www.3gpp.org/ftp/tsg\\_ran/WG1\\_RL1/TSGR1\\_07/Docs/Pdfs/R1-99d79.pdf](http://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_07/Docs/Pdfs/R1-99d79.pdf) - [Similar pages](#)

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### [FAQ on WCDMA Physical Layer \(Layer 1\)](#)

If a **secondary scrambling code** needs to be introduced in the cell, then only those users not fitting under the primary scrambling code should use the ...

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The WCDMA standard allows for allocation of traffic on a **secondary scrambling code**, which is non-orthogonal to the primary scrambling code. ...

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solution, introducing a **secondary scrambling code**, which in ... **secondary scrambling code**, the intra-cell interference increases ...

[www.ericsson.com/.../wireless\\_access/doc/Performance%20Investigation%20of%20Secondary%20Scrambling.pdf](http://www.ericsson.com/.../wireless_access/doc/Performance%20Investigation%20of%20Secondary%20Scrambling.pdf) - [Similar pages](#)

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In case of RA3 channel, the cell throughput is increased with 8% if GRAKE receivers are used, but with RAKE, the **secondary scrambling code** does not give any ...

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On the code and soft capacity of the UMTS FDD downlink and the capacity increase by using a **secondary scrambling code**. Staehle, D. ...

[ieeexplore.ieee.org/xpls/abs\\_all.jsp?isnumber=34628&](http://ieeexplore.ieee.org/xpls/abs_all.jsp?isnumber=34628&)

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**secondary scrambling code**. In addition this paper introduces an allocation strat- ... gain in **secondary scrambling code** usage for this strategy. ...

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The uplink uses a primary scrambling code and an optional **secondary scrambling code**.

The primary scrambling code is from the extended Very Large Kasami set ...

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**Secondary Scrambling Code #1. Secondary Scrambling Code #2. Secondary Scrambling Code #15.** Channelisation Code Set (256 Codes) ...

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[\[PDF\] TSGR1#7\(99\)b58 1. Abstract 2. E-mail discussion](#)

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Only comment in the meeting was the number of **secondary scrambling code** from ...  
specific representation forms of **LFSR** sequence, and they are equivalent ...

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[\[PDF\] TSG-RAN Working Group 1 meeting #7 TSGR1#7\(99\)b91 Hanover ...](#)

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scrambling code (PSC) and data channel with **secondary scrambling code** (SSC), ... code  
in upper **LFSR**. masking function for Q. code in upper **LFSR** ...

[www.3gpp.org/ftp/tsg\\_ran/WG1\\_RL1/TSGR1\\_07/Docs/Pdfs/R1-99b91.pdf](http://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_07/Docs/Pdfs/R1-99b91.pdf) - [Similar pages](#)

[ROM-based PN generation for wireless communication - Patent 6937643](#)

Each **LFSR** generates a specific PN sequence of length 218-1, ... codes may each be a  
**secondary scrambling code**, a left alternative scrambling code, ...

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Only comment in the meeting was the number of **secondary scrambling code** from  
Ericsson. ... But two different forms are specific representation forms of **LFSR** ...

[list.3gpp.org/scripts/wa.exe?A2=ind9907&L=3gpp\\_tsg\\_ran\\_wg1&D=0&F=P&T=0&P=49108](http://list.3gpp.org/scripts/wa.exe?A2=ind9907&L=3gpp_tsg_ran_wg1&D=0&F=P&T=0&P=49108)  
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- ☐ 1. A process for generating codes for CDMA communications, system and computer program

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**Lo Iacono, Daniele / Messina, Ettore / Avellone, Giuseppe / Galluzzo, Agostino,**  
*EUROPEAN PATENT*, Sep 2003

( Field of the invention ) The present invention relates to techniques for the generation of codes for Code Division Multiple Access (CDMA) applications and has been developed with particular attention paid to its possible application for the generation of scrambling codes usable at the level of

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## » Key

IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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- ☐ 1. **Performance Investigation of Secondary Scrambling Codes in WCDMA Systems**  
 Hu Rong; Hiltunen, K.;  
[Vehicular Technology Conference, 2006. VTC 2006-Spring. IEEE 63rd](#)  
 Volume 2, 2006 Page(s):698 - 702  
 Digital Object Identifier 10.1109/VETECS.2006.1682914  
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- ☐ 2. **On the code and soft capacity of the UMTS FDD downlink and the capacity increase using a secondary scrambling code**  
 Staehle, D.;  
[Personal, Indoor and Mobile Radio Communications, 2005. PIMRC 2005. IEEE 16th International Symposium on](#)  
 Volume 3, 11-14 Sept. 2005 Page(s):2099 - 2103 Vol. 3  
 Digital Object Identifier 10.1109/PIMRC.2005.1651809  
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- ☐ 3. **Impacts of inactivity timer values on UMTS system capacity**  
 Chuah, M.; Wei Luo; Zhang, X.;  
[Wireless Communications and Networking Conference, 2002. WCNC2002. 2002 IEEE](#)  
 Volume 2, 17-21 March 2002 Page(s):897 - 903 vol.2  
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